

## APPENDIX D: SPECIES OF SPECIAL CONSIDERATION

Species of special consideration is a broad term intended to encompass names used by managing agencies such as sensitive species, species of special concern, endangered, threatened, etc. Some terms can vary appreciably in formality or use and the criteria for species status can vary among agencies. In addition, most taxa carry more than one listing status or designation.

The sensitive species analysis included all species within the “Northern and Eastern Mojave Planning Area,” an almost eight million acre area of California and a small part of Nevada. This analysis found that the NEMO planning area supports roughly 175 plant and animal species of special consideration. These include species that are endangered, threatened, proposed, or candidate species under the Federal Endangered Species Act of 1973, as amended; endangered, threatened, proposed, or rare under the California Endangered Species Act; or agency-defined sensitive or endemic species of special concern. The following tables show these protective designations or others defined by the California Native Plant Society (CNPS) or the California/Nevada Natural Diversity Data Base (CNDDB/NNDB).

Habitats that support one or more species of special consideration were reviewed in this planning effort, although not typically given legal protective status by agencies, as are individual species. Because of this, habitats of special consideration may also be referred to throughout this document as “sensitive habitats.” Those sensitive habitats which were a focus of plan review were riparian, wetland, sand dune and wash habitats as well as widespread or local habitats key in supporting desert tortoise, bats, bighorn sheep, carbonate plants and a variety of endemic species.

**TABLE D-1: ANIMALS OF SPECIAL CONSIDERATION WITHIN THE NORTHERN AND EASTERN MOJAVE PLANNING AREA**

(Federally or State Listed or Proposed Species known to occur within Mojave National Preserve are bolded)

ANIMAL SPECIES		LISTING STATUS		RECORDED (R) OR POTENTIAL (P) OCCURRENCE IN NEMO		
Common Name	Scientific Name	Federal	State	Death Valley NP	Mojave NP	BLM
<b>BIRDS</b>						
Cooper's hawk	<i>Accipiter cooperi</i>		CDF&G "Species of Special Concern"	R	R	R
tricolored blackbird	<i>Agelaius tricolor</i>	(Former C2) NPS SS	CDF&G "Species of Special Concern"	R	?	P
golden eagle	<i>Aquila chrysaetos</i>	Protected under the Bald Eagle Protection Act	CDF&G "Species of Special Concern"	R	R	R
long-eared owl	<i>Asio otus</i>		CDF&G "Species of Special Concern"	R	R	R
western burrowing owl	<i>Athene cunicularia-hypugea</i>	(Former C2)	CDF&G "Species of Special Concern"	R	R	R

ANIMAL SPECIES		LISTING STATUS		RECORDED (R) OR POTENTIAL (P) OCCURRENCE IN NEMO		
Common Name	Scientific Name	Federal	State	Death Valley NP	Mojave NP	BLM
ferruginous hawk	<i>Buteo regalis</i>	(Former C2) NPS SS	CDF&G "Species of Special Concern"	R	P	P
<b>Swainson's hawk</b>	<b><i>Buteo swainsoni</i></b>		<b>Threatened</b>	<b>R</b>	<b>R</b>	<b>R</b>
western snowy plover	<i>Charadrius alexandrinus nivosus</i>	<b>Coastal</b> populations are listed Threatened; <b>Inland</b> populations were formerly C2 NPS SS	CDF&G "Species of Special Concern"	R		R
northern harrier	<i>Circus cyaneus</i>		CDF&G "Species of Special Concern"	R	R	R
western yellow billed cuckoo	<i>Coccyzus americanus occidentalis</i>		Endangered	R		R
yellow warbler	<i>Dendroica petechia brewsteri</i>		CDF&G "Species of Special Concern"	R	P	P
<b>southwestern willow flycatcher</b>	<b><i>Empidonax traillii eximius</i></b>	<b>Endangered</b>	<b>(<i>Empidonax traillii</i> is state listed Endangered)</b>	<b>R</b>	<b>R</b>	<b>R</b>
prairie falcon	<i>Falco mexicanus</i>		CDF&G "Species of Special Concern"	R	R	R
yellow-breasted chat	<i>Icteria virens</i>		CDF&G "Species of Special Concern"	R	R	P
western least bittern	<i>Ixobrychus exilis hesperis</i>	(Former C2) NPS SS		R		P
California grey-headed junco	<i>Junco hyemalis caniceps</i>		CDF&G "Species of Special Concern"	R	R	P
loggerhead shrike	<i>Lanius ludovicianus</i>	(Former C2) NPS SS	CDF&G "Species of Special Concern"	R	R	R
gila woodpecker	<i>Melanerpes uropygialis</i>		Endangered			
<b>elf owl</b>	<b><i>Micrathene whitneyi</i></b>		<b>Endangered</b>	<b>R</b>	<b>P</b>	
western brown-crested flycatcher	<i>Myiarchus tyrannulus</i>		CDF&G "Species of Special Concern"			
hepatic tanager	<i>Piranga flava</i>		CDF&G "Species of Special Concern"	R	R	P
summer tanager	<i>Piranga rubra</i>		CDF&G "Species of Special Concern"	R	R	P
white-faced ibis	<i>Plegadis chihi</i>	(Former C2) NPS SS	CDF&G "Species of Special Concern"	R		
black-tailed gnatcatcher	<i>Polioptila melanura</i>		CDF&G "Species of Special Concern"	R	R	P (R?)
vermillion flycatcher	<i>Pyrocephalus rubinus</i>		CDF&G "Species of Special Concern"	R	R	P

ANIMAL SPECIES		LISTING STATUS		RECORDED (R) OR POTENTIAL (P) OCCURRENCE IN NEMO		
Common Name	Scientific Name	Federal	State	Death Valley NP	Mojave NP	BLM
Bendire's thrasher	<i>Toxostoma bendirei</i>		CDF&G "Species of Special Concern"	R	R	P
Crissal thrasher	<i>Toxostoma crissale</i>		CDF&G "Species of Special Concern"	R	R	P
Le Conte's thrasher	<i>Toxostoma lecontei</i>		CDF&G "Species of Special Concern"	R	R	R
Virginia's warbler	<i>Vermivora virginiae</i>		CDF&G "Species of Special Concern"	R	R	P
least Bells vireo	<i>Vireo bellii pusillus</i>	Endangered	Endangered	R	P	R
gray vireo	<i>Vireo vicinior</i>		CDF&G "Species of Special Concern"	R	R	P
MAMMALS						
desert pallid bat	<i>Antrozous pallida</i>		CDF&G "Species of Special Concern"	R	R	R
Townsend's big-eared bat	<i>Corynorhinus townsendii pallescens</i>	NPS SS	CDF&G "Species of Special Concern"	R	R	R
Panamint kangaroo rat	<i>Dipodomys panamintinus panamintinus</i>			R		R
California leaf-nosed bat	<i>Macrotus californicus</i>	(Former C2)	CDF&G "Species of Special Concern"		P (R?)	R?
Amargosa vole	<i>Microtus californicus scirpensis</i>	Endangered	Endangered			R
desert bighorn sheep	<i>Ovis canadensis nelsoni</i>	BLM SS		R	R	R
Mohave ground squirrel	<i>Spermophilus mohavensis</i>	(Former C2) NPS SS	Threatened	R		R
Kingston Mountain chipmunk	<i>Tamias panamintinus acrus</i>				R	R
american badger	<i>Taxidea taxus</i>		CDF&G "Species of Special Concern"	R	R	R
Amargosa southern pocket gopher	<i>Thomomys umbrinus amargosae</i>	(Former C2) NPS SS		R		R
AMPHIBIANS						
Inyo Mountains salamander	<i>Batrachoseps campi</i>	BLM SS (Former C2)	CDF&G "Species of Special Concern"	R?		R
black toad	<i>Bufo exsul</i>	(Former C2)	Threatened	R		R
REPTILES						
Panamint alligator lizard	<i>Elgaria panamintinus</i>	NPS SS	CDF&G "Species of Special Concern"	R		R
desert tortoise	<i>Gopherus agassizii</i>	Threatened	Threatened	R	R	R
banded gila monster	<i>Heloderma suspectum cinctum</i>	BLM SS	CDF&G "Species of Special Concern"		R	R
rosy boa	<i>Lichanura trivirgata</i>	(Former C2) NPS SS		R	R	R
chuckwalla	<i>Sauromalus obesus</i>	(Former C2)	CDF&G "Species of Special Concern"	R	R	R

ANIMAL SPECIES		LISTING STATUS		RECORDED (R) OR POTENTIAL (P) OCCURRENCE IN NEMO		
Common Name	Scientific Name	Federal	State	Death Valley NP	Mojave NP	BLM
<b>FISH</b>						
Devils Hole Pupfish	<i>Cyprinodon diabolis</i>	Endangered	NV Endangered	R		
Amargosa River pupfish	<i>Cyprinodon nevadensis amargosae</i>	BLM SS	CDF&G "Species of Special Concern"	R		R
Saratoga Springs pupfish	<i>Cyprinodon nevadensis nevadensis</i>		CDF&G "Species of Special Concern"	R		
Shoshone pupfish	<i>Cyprinodon nevadensis shoshone</i>	(Former C2)	CDF&G "Species of Special Concern"			R
Cottonball Marsh pupfish	<i>Cyprinodon salinus milleri</i>		Threatened	R		
Salt Creek pupfish	<i>Cyprinodon salinus salinus</i>		CDF&G "Species of Special Concern"	R		
<b>Mohave tui chub</b>	<b><i>Gila bicolor mohavensis</i></b>	<b>Endangered</b>	<b>Endangered</b>		<b>R</b>	
Amargosa Canyon speckled dace	<i>Rhinichthys osculus</i> ssp 1	(Former C2)	CDF&G "Species of Special Concern"	R		R
<b>INSECTS</b>						
Death Valley Agabus diving beetle	<i>Agabus rumpi</i>	(Former C2)				R
Furnace Creek naucorid bug	<i>Ambrysus funebris</i>	(Former C2)		R		
Kelso Jerusalem cricket	<i>Ammopelmatus kelsoensis</i>	(Former C2)			R	
Saratoga Springs Belostoma bug	<i>Belostoma saratogae</i>	(Former C2) NPS SS		R		
monarch butterfly	<i>Danaus plexippus</i>			R	P	R
Kelso giant sand treader cricket	<i>Macrobaenetes kelsoensis</i>	(Former C2)			R	
Furnace Creek riffle beetle	<i>Microcylloepus formicoideus</i>	NPS SS		R		
un-named riffle beetle	<i>Microcylloepus similis</i>	NPS SS		R		
Amargosa Naucorid bug	<i>Pelocoris shoshone amargosus</i>	(Former C2) NPS SS		R		R
Saline Valley Snow Front Scarab beetle	<i>Polyphylla anteronivea</i>	(Former C2)		R		
Death Valley June beetle	<i>Polyphylla erratica</i>	(Former C2) NPS SS		R		
Devils Hole riffle beetle	<i>Stenelmis calida calida</i>	NPS SS		R		
Shoshone cave whip scorpion	<i>Trithyreus shoshonensis</i>	BLM SS NPS SS				R
<b>SNAILS</b>						
Badwater snail	<i>Assiminea infima</i>	(Former C2) NPS SS		R		
Deep Springs fonticella	<i>Fonticella</i> sp.					R
Micrarionta rowelli bakerensis (no common name)	<i>Micrarionta rowelli bakerensis</i>	(Former C2)			R	
Oasis Valley spring snail	<i>Pyrgulopsis micrococcus</i>	NPS SS		R		

ANIMAL SPECIES		LISTING STATUS		RECORDED (R) OR POTENTIAL (P) OCCURRENCE IN NEMO		
Common Name	Scientific Name	Federal	State	Death Valley NP	Mojave NP	BLM
Grapevine Springs elongate tryonia	<i>Tryonia margae</i>	NPS SS		R		
robust tryonia	<i>Tryonia robusta</i>	NPS SS		R		
Grapevine Springs squat tryonia	<i>Tryonia rolandsi</i>	NPS SS		R		
Cottonball Marsh tryonia	<i>Tryonia salina</i>	NPS SS		R		
Amargosa tryonia	<i>Tryonia variegata</i>	NPS SS		R		?

## STATUS EXPLANATIONS

### Federal

NPS SS = National Park Service Sensitive Species = Any species or infraspecies not otherwise designated whose population characteristics warrant special management or more intensive monitoring. Consideration may include but is not limited to: local rarity; endemism, park management objectives, usefulness of species as an indicator species, vulnerability to population declines; human disturbance; political concern / public interest

BLM SS = Bureau of Land Management Sensitive Species = Sensitive species are those designated by a State Director, usually in cooperation with the State agency responsible for managing the species as sensitive. They are those species that are: (1) under status review by the FWS/NMFS; or (2) whose numbers are declining so rapidly that Federal listing may become necessary; or (3) with typically small and widely dispersed populations; or (4) those inhabiting ecological refugia or other specialized or unique habitats.

### State

CDFG "Species of Special Concern" = An administrative designation given to vertebrate species that appear to be vulnerable to extinction because of declining populations, limited ranges, and/or continuing threats. Some species may be just starting to decline, while others may have already reached the point where they meet the criteria for listing as a threatened or endangered species.

**TABLE D-2: PLANTS OF SPECIAL CONSIDERATION WITHIN THE NORTHERN AND  
EASTERN MOJAVE PLANNING AREA**  
(Federally or State Listed or Proposed Species known to occur within Mojave National Preserve are  
bolded)

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	RECORDED OCCURRENCES IN NEMO		
Common Name	Scientific Name	Federal	State	CNPS		Death Valley NP	Mojave NP	BLM
Mormon needle grass	<i>Achnatherum aridum</i>			2	2-1-1	R	R	
Nevada onion	<i>Allium nevadense</i>			2	3-1-1		R	
pinyon rock cress	<i>Arabis dispar</i>			2	2-1-1	R		
Darwin rock cress	<i>Arabis pulchra</i> var. <i>munciensis</i>	BLM SS		2	3-1-1	R?		R
Shockley's rock cress	<i>Arabis shockleyi</i>			2	3-2-1	R		
white bear poppy	<i>Arctomecon merriamii</i>	BLM SS		1B	2-2-2	R		R
cloak fern	<i>Argyrochosma limitanea</i> var. <i>limitanea</i>			2	3-1-1		R	
playa milk-vetch	<i>Astragalus allochorous</i> var. <i>playanus</i>			2	2-2-1		R	R
Darwin Mesa milk-vetch	<i>Astragalus atratus</i> var. <i>mensanus</i>			1B	3-1-3	R		
Cima milk-vetch	<i>Astragalus cimae</i> var. <i>cimae</i>			1B	3-2-2		R	
black milk-vetch	<i>Astragalus funereus</i>	BLM SS		1B	3-2-2	R		
Geyer's milk-vetch	<i>Astragalus geyeri</i> var. <i>geyeri</i>	BLM SS		2	3-2-1	R		R
Gilman's milk-vetch	<i>Astragalus gilmanii</i>	Former C2		4	1-2-2	R		?
shining milk-vetch	<i>Astragalus lentiginosus</i> var. <i>micans</i>	Proposed Threatened		1B	3-2-3	R		
Sodaville milk-vetch	<i>Astragalus lentiginosus</i> var. <i>sesquimetalis</i>	Proposed Threatened	CA Endangered; NVCE	1B	3-3-2	R		
curved-pod milk-vetch	<i>Astragalus mohavensis</i> var. <i>hemigyus</i>	BLM SS	NVCE#	1A		R?		?
little big-pod milk-vetch	<i>Astragalus platytropis</i>			2	2-2-1	R		
Preuss's milk-vetch	<i>Astragalus preussii</i> var. <i>preussii</i>			2	3-1-1	R?		
naked milk-vetch	<i>Astragalus serenoii</i> var. <i>shockleyi</i>			2	2-2-1	R	?	?
scaly cloak fern	<i>Astrolepsis cochisensis</i>			2	2-1-1	R?		R
ayenia	<i>Ayenia compacta</i>			2	2-1-1		R	
Fremont barberry	<i>Berberis fremontii</i>			3	?-?-1		?	?
King's eyelash grass	<i>Blepharidachne kingii</i>			2	2-1-1	R		R
red grama	<i>Bouteloua trifida</i>			2	3-1-1	R		R
alkali mariposa lily	<i>Calochortus striatus</i>	BLM SS	On NV watch list	1B	2-2-2			?
crucifixion thorn	<i>Castela emoryi</i>			2	2-1-1		R	

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	RECORDED OCCURRENCES IN NEMO		
Common Name	Scientific Name	Federal	State	CNPS		Death Valley NP	Mojave NP	BLM
Jaeger's caulostramina	<i>Caulostramina jaegeri</i>	BLM SS		1B	3-2-3	R?		R?
Spring loving centaury	<i>Centaurium namophilum</i>	Threatened	NVCE			R		?
Wooton's lace fern	<i>Cheilanthes wootonii</i>			2	2-1-1	R?	R	?
desert birds beak	<i>Cordylanthus eremicus</i> ssp. <i>eremicus</i>			4	1-1-3	R	?	?
purple bird's-beak	<i>Cordylanthus parviflorus</i>			2	3-1-1		R	
Tecopa birdsbeak	<i>Cordylanthus tecopensis</i>	BLM SS	NV Threatened	1B	3-2-2			R
Gilman's cymopterus	<i>Cymopterus gilmanii</i>			2	2-1-1	R		R
Ripley's cymopterus	<i>Cymopterus ripleyi</i>			2	3-2-1	R		
July gold	<i>Dedeckera eurekensis</i>	BLM SS	CA Rare	1B	2-1-3	R		R
Panamint Dudleya	<i>Dudleya saxosa saxosa</i>			4	1-2-3	R		
Howe's hedgehog	<i>Echinocereus engelmannii</i> var. <i>howei</i>	BLM SS		1B	3-3-3		R	
Panamint daisy	<i>Enceliopsis covillei</i>	BLM SS		1B	3-2-3	R		R
Ash meadows sunray	<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>	Threatened	NVCE	4	1-1-1	R		
nine-awned pappus grass	<i>Enneapogon desvauxii</i>			2	3-1-1		R	
Gilman's goldenbush	<i>Ericameria gilmanii</i>			1B	3-1-3	R		
forked buckwheat	<i>Eriogonum bifurcatum</i>	BLM SS	NV Threatened	1B	3-2-2	?		R
Reveal's buckwheat	<i>Eriogonum contiguum</i>			2	2-1-1	R		
Wild Rose canyon buckwheat	<i>Eriogonum eremicola</i>	BLM SS		1B	3-1-3	R		R
<b>Thorne's buckwheat</b>	<b><i>Eriogonum ericifolium</i> var. <i>thornei</i></b>		<b>CA Endangered</b>	<b>1B</b>	<b>3-2-3</b>		<b>R</b>	
jointed buckwheat	<i>Eriogonum intrafractum</i>	Former C2		4	1-1-3	R		?
Panamint Mountains buckwheat	<i>Eriogonum microthecum</i> var. <i>panamintense</i>	BLM SS		1B	3-1-3	R		R
juniper buckwheat	<i>Eriogonum umbellatum</i> var. <i>juniporinum</i>			2	3-1-1		R	R
hairy erioneuron	<i>Erioneuron pilosum</i>			2	2-1-1	R	R	
viviparous foxtail cactus	<i>Escobaria vivipara</i> var. <i>rosea</i>			1B	3-2-2		R	
Clark Mountain spurge	<i>Euphorbia exstipulata</i> var. <i>exstipulata</i>			2	3-3-1		R	
hot-springs fimbristylis	<i>Fimbristylis thermalis</i>			2	2-2-1	R		

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	RECORDED OCCURRENCES IN NEMO		
Common Name	Scientific Name	Federal	State	CNPS		Death Valley NP	Mojave NP	BLM
Kingston Mountain bedstraw	<i>Galium hilendiae</i> ssp. <i>kinstonense</i>	BLM SS	NV Threatened	1B	3-1-2			R
Telescope peak bedstraw	<i>Galium</i> <i>hypotrichium</i> ssp. <i>tomentellum</i>			1B	3-1-3	R		
Wrights's bedstraw	<i>Galium wrightii</i>			2	3-1-1		R	
Ripley's gilia	<i>Gilia ripleyi</i>			2	3-1-1	R		?
golden carpet	<i>Gilmania luteola</i>			1B	3-1-3	R		
pungent glossopetalon	<i>Glossopetalon</i> <i>pungens</i>	BLM SS		1B	3-2-2		R	
Ash meadows gumplant	<i>Grindelia fraxino-</i> <i>pratensis</i>	Threatened	On NV watch list	1B	3-2-2			R
Inyo hulsea	<i>Hulsea vestita</i> ssp. <i>inyoensis</i>	BLM SS		2	2-2-1	R		
Yellow ivesia	<i>Ivesia arizonica</i> var. <i>arizonica</i>			3	?-?-1	R		
Jaeger's ivesia	<i>Ivesia jaegeri</i>	BLM SS	On NV watch list	1B	3-1-2		R	
Kingston Mountains cinquefoil	<i>Ivesia patellifera</i>	BLM SS		1B	3-1-3			R
sand linanthus	<i>Linanthus arenicola</i>			2	1-2-1	R	R	
scrub lotus	<i>Lotus argyraeus</i> var. <i>multicaulis</i>			1B	3-1-3		R	
Providence Mountains lotus	<i>Lotus argyraeus</i> var. <i>notitius</i>			1B	2-1-3		R	
Panamint Mountains lupine	<i>Lupinus magnificus</i> var. <i>magnificus</i>	BLM SS		1B	3-1-3	R		
wolftail	<i>Lycurus phleoides</i> var. <i>phleoides</i>			2	3-2-1		R	
spearleaf	<i>Matelea parvifolia</i>			2	3-1-1		R	
violet twining snapdragon	<i>Maurandya</i> <i>antirrhiniflora</i> ssp. <i>antirrhiniflora</i>			2	3-1-1		R	
rock lady	<i>Maurandya</i> <i>petrophila</i>	BLM SS	CA Rare	1B	3-2-3	R		
Utah monkeyflower	<i>Mimulus glabratus</i> ssp. <i>utahensis</i>			2	3-2-1	R		
appressed muhly	<i>Muhlenbergia</i> <i>appressa</i>			2	2-2-1		R	
tough muhly	<i>Muhlenbergia</i> <i>arsenei</i>			2	2-1-1		R	
delicate muhly	<i>Muhlenbergia</i> <i>fragilis</i>			2	3-1-1		R	
few-flowered muhly	<i>Muhlenbergia</i> <i>pauciflora</i>			2	3-1-1		R	
false buffalo-grass	<i>Munroa squarrosa</i>			2	3-2-1		R	
forked purple mat	<i>Nama dichotomum</i> var. <i>dichotomum</i>			2	3-1-1		R	
slender Woolly- heads	<i>Nemacaulis</i> <i>denudata</i> var. <i>gracilis</i>			2	2-2-1		R	
Amargosa niterwort	<i>Nitrophila</i> <i>mohavensis</i>	Endangered	CA Endangered	1B	3-3-2	R?		R



PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	RECORDED OCCURRENCES IN NEMO		
Common Name	Scientific Name	Federal	State	CNPS		Death Valley NP	Mojave NP	BLM
Eureka Dunes evening primrose	<i>Oenothera californica</i> ssp. <i>eurekensis</i>	Endangered	CA Rare	1B	3-2-3	R		
short-joint cactus	<i>Opuntia basilaris</i> var. <i>Brachyclada</i>	BLM SS		1B	3-2-3		R	
curved-spine beavertail	<i>Opuntia curvospina</i>			2	2-2-1		R	
beautiful cholla	<i>Opuntia pulchella</i>			2	2-2-1			R
Watson's oxytheca	<i>Oxytheca watsonii</i>			2	3-2-1	R		R
cliff brake	<i>Pellaea truncata</i>			2	2-1-1		R	
limestone beard tongue	<i>Penstemon calcareus</i>			2	2-1-1	R	R	?
Death Valley beardtongue	<i>Penstemon fruticiformis</i> var. <i>amargosae</i>	BLM SS		4	1-1-2	R	R	R
Pahute Mesa penstemon	<i>Penstemon pahutensis</i>					R		
Stephen's beardtongue	<i>Penstemon stephensii</i>	BLM SS		1B	2-2-3			R
Inyo laphamia	<i>Perityle inyoensis</i>	BLM SS		1B	3-2-3			R
Hanaupah rock daisy	<i>Perityle villosa</i>	BLM SS		1B	3-1-3	R		
Death Valley sandpaper plant	<i>Petalonyx thurberi</i> ssp. <i>gilmanii</i>	BLM SS		1B	3-2-3	R		?
Saline Valley phacelia	<i>Phacelia amabilis</i>			3	3-1-3	R		R
Aven Nelson's phacelia	<i>Phacelia anelsonii</i>			2	2-1-1	R?	R	
Death Valley round- leaved phacelia	<i>Phacelia mustelina</i>		On watch list in NV	1B	2-1-2	R		
Goodding's phacelia	<i>Phacelia pulchella</i> var. <i>gooddingii</i>			2	3-1-1	R		R
two-needle pinyon pine	<i>Pinus edulis</i>			3	3-1-1		R	
small-flowered rice grass	<i>Piptatherum micranthum</i>			2	2-1-1			R
desert popcorn- flower	<i>Plagiobothrys salsus</i>			2	3-2-1			R
notch-beaked milkwort	<i>Polygala heterorhyncha</i>			1B	2-1-2	R		
narrow-leaved cottonwood	<i>Populus angustifolia</i>			2	3-2-1	?	?	?
Albert's sanvitalia	<i>Sanvitalia albertii</i>			2	3-2-1		R	
burro grass	<i>Scleropogon brevifolius</i>			2	3-1-1		R	
desert wing-fruit	<i>Selinocarpus nevadensis</i>			2	3-1-1			R
Rusby's mallow	<i>Sphaeralcea rusbyi</i> ssp. <i>eremicola</i>	BLM SS		1B	3-2-3	R		R
Eureka Valley dunegrass	<i>Swallenia alexandrae</i>	Endangered	CA Rare	1B	3-2-3	R		
holly-leaved tetracoccus	<i>Tetracoccus ilicifolius</i>			1B	3-1-3	R		
Plummer's woodsia	<i>Woodsia plummerae</i>			2	3-1-1		R	

## **STATUS EXPLANATIONS**

### **Federal**

BLM SS = BLM Sensitive Species = Sensitive species are those designated by a State Director, usually in cooperation with the State agency responsible for managing the species as sensitive. They are those species that are: (1) under status review by the FWS/NMFS; or (2) whose numbers are declining so rapidly that Federal listing may become necessary; or (3) with typically small and widely dispersed populations; or (4) those inhabiting ecological refugia or other specialized or unique habitats.

### **State**

NVCE = Critically Endangered in Nevada

NVCE# = Recommended for Critically Endangered List, pending formal list

### **California Native Plant Society (CNPS)**

List 1A = Plants presumed extinct in California

List 1B = Plants Rare, Threatened, or Endangered in California and elsewhere

List 2 = Plants Rare, Threatened, or Endangered in California, but more common elsewhere

List 3 = Plants about which we need more information--a review list

List 4 = Plants of limited distribution--a watch list

### **CNPS RED Code**

#### **R (Rarity)**

1 = Rare, but found in sufficient numbers and distributed widely enough that the potential for extinction is low at this time

2 = Distributed in a limited number of occurrences, occasionally more if each occurrence is small

3 = Distributed in one to several highly restricted occurrences, or present in such small numbers that it is seldom reported

#### **E (Endangerment)**

1 = Not endangered

2 = Endangered in a portion of its range

3 = Endangered throughout its range

#### **D (Distribution)**

1 = More or less widespread outside California

2 = Rare outside California

3 = Endemic to California

**TABLE D-3: FORMALLY LISTED PLANTS AND ANIMALS WITHIN MOJAVE NATIONAL PRESERVE**

PLANT SPECIES		LISTING STATUS		CNPS	CNPS RED CODE	HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State	CNPS					
Thorne's buckwheat	<i>Eriogonum ericifolium</i> var. <i>thornei</i>		CA Endangered	1B	3-2-3	Pinyon & juniper woodland, copper-rich gravel. 5900-6200 ft elev.	Eastern desert mountains. Known from only two canyons in the New York Mountains. Other varieties in AZ.	Potential threats from mining and grazing.	The entire known range of this variety is within the planning area.

ANIMAL SPECIES		LISTING STATUS		HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State				
BIRDS							
Swainson's hawk	<i>Buteo swainsoni</i>		Threatened	Breeds in juniper-sage flats, riparian areas and in oak savanna. Requires adjacent suitable foraging areas such as grasslands, alfalfa or grain fields supporting rodent populations. Trees are important nesting habitat in desert.	Western half of U.S., w Canada, ne MX. In CA, primarily migrants throughout planning area. Has been recorded at the Amargosa Canyon Natural Area and its immediate drainage and at MOJA <sup>1</sup> and DEVA <sup>2</sup> . Owens Valley supports a small breeding population	Although formerly abundant in CA, loss of nesting habitat has reduced the state's population significantly. Off-site pesticide use is another significant threat.	The planning area encompasses little of the species' total range.
southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	Endangered	( <i>Empidonax traillii</i> is State listed Endangered)	Inhabit extensive thickets of low, dense willows on edge of wet meadows, ponds, or backwaters. Require dense willow thickets for nesting and roosting; low, exposed branches are used for singing posts and hunting perches. 2000-8000 ft elev.	Only 300-500 nesting pairs thought to exist over species' entire range (70 pairs in CA). Breeding range includes s CA, s NV, s UT, NM, w TX; (possibly sw CO, n Baja, CA and Sonora, MX). Recorded at Amargosa Canyon Natural Area, DEVA, and at least at the species level at MOJA.	Cowbird parasitism and habitat modification are primary threats; the latter from: water diversion, livestock grazing (including destruction of nests by cattle). ORV / OHV <sup>3</sup> and other recreational uses.	Certain wetlands in NEMO are ephemeral sites for SWWF. Because migration routes and wintering grounds are not well known and habitat patches as small as 0.5 hectares can support 1-2 nesting pairs, the planning area may be of some although limited importance to species

ANIMAL SPECIES		LISTING STATUS		HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State				
							recovery.
elf owl	<i>Micrathene whitneyi</i>		Endangered	In CA, nesting area is limited to cottonwood-willow and mesquite riparian zone along the Colorado River. Nests in deserted woodpecker holes, often in larger trees that offer insulation from high daytime temperatures.	Along the Colorado River. Has been recorded at DEVA.		
least Bells vireo	<i>Vireo bellii pusillus</i>	Endangered	Endangered	Riparian; willow-cottonwood forest, oak woodland, shrubby thickets and dry washes established with arroyo willows. Small amounts of aquatic and herbaceous cover. Dense shrub layer from 2.0 to 9.9 ft above ground.	Only in CA and Baja CA. Small scattered areas in south/south-central CA; coastal/inland. Currently breeds in few scattered riparian habitat in s CA, in Amargosa River. Has been recorded at Amargosa Canyon Natural Area and its immediate drainage; also at DEVA.	Loss of riparian habitat. Brood parasitism by brown-headed cowbirds. Susceptibility to rapid local extinction resulting from disease outbreak or increase in predators or parasites. Nest predation by birds, snakes and mammals.	The planning area represents fringe habitats for LBV and low numbers of documented birds, given depleted habitats near large population centers in southern CA; however, NEMO management may contribute to species recovery.
<b>REPTILES</b>							
desert tortoise	<i>Gopherus agassizii</i>	Threatened	Threatened	Wide variety of habitats including alluvial fans, desert washes, broad valleys, creosote bush communities with annual flower blooms. Friable soil for digging burrows.	Mojave Desert portions of CA, NV, and north of the Colorado River in AZ and southwestern UT. Has been recorded at DEVA, MOJA, and BLM <sup>4</sup> .	Upper respiratory tract and shell lesion diseases. Collection. Predation by ravens and canids. Conflicts with livestock and feral burros (trampling). Direct mortality and injury by humans from poaching, shooting, OHV / ORV use.	NEMO includes roughly 10-15% of total critical habitat designated for DT. Populations receive relatively few human impacts and may be relatively disease-free as compared with western Mojave populations, an important consideration for species recovery.

ANIMAL SPECIES		LISTING STATUS		HABITAT	DISTRIBUTION	THREATS	IMPORTANCE OF NEMO TO LONG-TERM CONSERVATION OF THE SPECIES
Common Name	Scientific Name	Federal	State				
<b>FISH</b>							
Mohave tui chub	<i>Gila bicolor mohavensis</i>	Endangered	Endangered	Adapted to alkaline, mineralized waters. Needs deep pools, ponds, or slough-like areas. Needs vegetation for spawning. All habitats where the species exists are artificial pond situations that have little resemblance of its native habitat.	Endemic to the Mojave River Basin. Found at Soda Springs within MOJA. Population at Soda Springs comprises about 30% of all existing populations. Also at China Lake and Camp Cady Wildlife Area.	Water fluctuations. Habitat restrictions. Habitat alteration by humans. Lack of habitat maintenance by humans.	Once abundant and wide ranging, but is now restricted to a single habitat in its native range. This occurrence is in NEMO.

## NOTES

<sup>1</sup> MOJA = Mojave National Preserve

<sup>2</sup> DEVA = Death Valley National Park

<sup>3</sup> OHV/ORV = Off-Highway Vehicles or Off-Road Vehicles

<sup>4</sup> BLM = Bureau of Land Management public lands within the NEMO Planning Area

## STATUS EXPLANATIONS

### California Native Plant Society (CNPS)

List 1B = Plants Rare, Threatened, or Endangered in California and elsewhere

### CNPS RED Code

R (Rarity)

3 = Distributed in one to several highly restricted occurrences, or present in such small numbers that it is seldom reported

E (Endangerment)

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D (Distribution)

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